

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL MSDS

CAS-No.: MSDS

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
:  
Product code : 5938A

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Labogens Fine Chem Industries  
1st Floor , Above Bank of India, Guru Vihar , Rahon Road,  
Ludhiana Pb. (141007)  
+91 9316777775, +91 7707855700  
[sales@labogens.com](mailto:sales@labogens.com) - [www.Labogens.com](http://www.Labogens.com)

#### 1.4. Emergency telephone number

Emergency number : +91 7707855700 (9:00am - 6:00 pm)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                                              |      |
|--------------------------------------------------------------|------|
| Flammable liquids, Category 2                                | H225 |
| Self-Heating Substances and Mixtures, Category 1             | H251 |
| Acute toxicity (oral), Category 3                            | H301 |
| Acute toxicity (dermal), Category 3                          | H311 |
| Skin corrosion/irritation, Category 1B                       | H314 |
| Specific target organ toxicity — single exposure, Category 1 | H370 |

Full text of H statements : see section 16

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

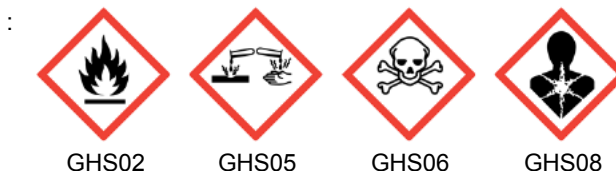
### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H251 - Self-heating: may catch fire.  
H301+H311 - Toxic if swallowed or in contact with skin  
H314 - Causes severe skin burns and eye damage.  
H370 - Causes damage to organs.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name             | Product identifier                                                      | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                      |
|------------------|-------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| Methanol         | (CAS-No.) 67-56-1<br>(EC-No.) 200-659-6<br>(EC Index-No.) 603-001-00-X  | 50 - 75 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Oral), H301<br>STOT SE 1, H370 |
| Sodium methylate | (CAS-No.) 124-41-4<br>(EC-No.) 204-699-5<br>(EC Index-No.) 603-040-00-2 | 25 - 50 | Self-heat. 1, H251<br>Skin Corr. 1B, H314                                                                                            |

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- |                                       |                                                                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.                                                       |
| First-aid measures after skin contact | : Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.                                                                      |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| First-aid measures after ingestion    | : If you feel unwell, seek medical advice. Rinse mouth out with water.                                                                                          |

#### 4.2. Most important symptoms and effects, both acute and delayed

- |                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| Symptoms/effects                    | : Causes severe skin burns and eye damage. Causes damage to organs. |
| Symptoms/effects after skin contact | : Toxic in contact with skin.                                       |
| Symptoms/effects after ingestion    | : Toxic if swallowed.                                               |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- |                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| Suitable extinguishing media   | : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                   |

#### 5.2. Special hazards arising from the substance or mixture

- |                  |                                          |
|------------------|------------------------------------------|
| Fire hazard      | : Highly flammable liquid and vapour.    |
| Explosion hazard | : Heating may cause a fire or explosion. |

#### 5.3. Advice for firefighters

- |                                |                                                                        |
|--------------------------------|------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. |
|--------------------------------|------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- |                      |                                               |
|----------------------|-----------------------------------------------|
| Emergency procedures | : Avoid contact with skin, eyes and clothing. |
|----------------------|-----------------------------------------------|

##### 6.1.2. For emergency responders

- |                      |                                                     |
|----------------------|-----------------------------------------------------|
| Protective equipment | : Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|-----------------------------------------------------|

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- |                         |                                                        |
|-------------------------|--------------------------------------------------------|
| Methods for cleaning up | : Clean contaminated surfaces with an excess of water. |
|-------------------------|--------------------------------------------------------|

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |                                     |
|-------------------------------|-------------------------------------|
| Precautions for safe handling | : Avoid contact with skin and eyes. |
|-------------------------------|-------------------------------------|

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

|                  |                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------|
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
|------------------|-------------------------------------------------------------------------------------------------------------------------|

### 7.2. Conditions for safe storage, including any incompatibilities

|                    |                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------|
| Storage conditions | : Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. |
|--------------------|---------------------------------------------------------------------------------------------|

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

|                          |                                     |
|--------------------------|-------------------------------------|
| Hand protection          | : Protective gloves                 |
| Eye protection           | : Chemical goggles or face shield   |
| Skin and body protection | : Wear suitable protective clothing |
| Respiratory protection   | : Wear respiratory protection.      |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                            |                     |
|--------------------------------------------|---------------------|
| Physical state                             | : Liquid            |
| Colour                                     | : Clear Colorless.  |
| Odour                                      | : No data available |
| Odour threshold                            | : No data available |
| pH                                         | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : < 6 °C            |
| Freezing point                             | : No data available |
| Boiling point                              | : 93 °C             |
| Flash point                                | : 16.5 °C           |
| Auto-ignition temperature                  | : 463.89 °C         |
| Decomposition temperature                  | : No data available |
| Flammability (solid, gas)                  | : No data available |
| Vapour pressure                            | : 34 hPa at 20 °C   |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : No data available |

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

|                      |                           |
|----------------------|---------------------------|
| Density              | : 0.97 g/cm <sup>3</sup>  |
| Solubility           | : Water: Soluble in water |
| Log Pow              | : No data available       |
| Viscosity, kinematic | : No data available       |
| Viscosity, dynamic   | : No data available       |
| Explosive properties | : No data available       |
| Oxidising properties | : No data available       |
| Explosive limits     | : 0.055 - 0.265 vol %     |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Direct sunlight. Heat. High temperature. Open flame. Overheating.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.

|                  |                      |
|------------------|----------------------|
| ATE CLP (oral)   | 100 mg/kg bodyweight |
| ATE CLP (dermal) | 300 mg/kg bodyweight |

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Skin corrosion/irritation         | : Causes severe skin burns and eye damage. |
| Serious eye damage/irritation     | : Serious eye damage, category 1, implicit |
| Respiratory or skin sensitisation | : Not classified                           |
| Germ cell mutagenicity            | : Not classified                           |
| Carcinogenicity                   | : Not classified                           |

|                       |                            |
|-----------------------|----------------------------|
| Reproductive toxicity | : Not classified           |
| STOT-single exposure  | : Causes damage to organs. |

|                        |                  |
|------------------------|------------------|
| STOT-repeated exposure | : Not classified |
|------------------------|------------------|

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Toxic if swallowed. Toxic in contact with skin.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Hazardous waste due to toxicity.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 1289

UN-No. (IMDG) : 1289

UN-No. (IATA) : 1289

UN-No. (ADN) : 1289

UN-No. (RID) : 1289

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : SODIUM METHYLATE SOLUTION

Proper Shipping Name (IMDG) : SODIUM METHYLATE SOLUTION

Proper Shipping Name (IATA) : Sodium methylate solution

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Proper Shipping Name (ADN)            | : SODIUM METHYLATE SOLUTION                           |
| Proper Shipping Name (RID)            | : SODIUM METHYLATE SOLUTION                           |
| Transport document description (ADR)  | : UN 1289 SODIUM METHYLATE SOLUTION, 3 (8), II, (D/E) |
| Transport document description (IMDG) | : UN 1289 SODIUM METHYLATE SOLUTION, 3 (8), II        |
| Transport document description (IATA) | : UN 1289 Sodium methylate solution, 3 (8), II        |
| Transport document description (ADN)  | : UN 1289 SODIUM METHYLATE SOLUTION, 3 (8), II        |
| Transport document description (RID)  | : UN 1289 SODIUM METHYLATE SOLUTION, 3 (8), II        |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |         |
|----------------------------------|---------|
| Transport hazard class(es) (ADR) | : 3 (8) |
| Danger labels (ADR)              | : 3, 8  |



#### IMDG

|                                   |         |
|-----------------------------------|---------|
| Transport hazard class(es) (IMDG) | : 3 (8) |
| Danger labels (IMDG)              | : 3, 8  |



#### IATA

|                                   |         |
|-----------------------------------|---------|
| Transport hazard class(es) (IATA) | : 3 (8) |
| Hazard labels (IATA)              | : 3, 8  |



#### ADN

|                                  |         |
|----------------------------------|---------|
| Transport hazard class(es) (ADN) | : 3 (8) |
| Danger labels (ADN)              | : 3, 8  |



#### RID

|                                  |         |
|----------------------------------|---------|
| Transport hazard class(es) (RID) | : 3 (8) |
| Danger labels (RID)              | : 3, 8  |



# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

### 14.4. Packing group

|                      |      |
|----------------------|------|
| Packing group (ADR)  | : II |
| Packing group (IMDG) | : II |
| Packing group (IATA) | : II |
| Packing group (ADN)  | : II |
| Packing group (RID)  | : II |

### 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### - Overland transport

|                                                           |                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|
| Classification code (ADR)                                 | : FC                                                                                  |
| Limited quantities (ADR)                                  | : 1I                                                                                  |
| Excepted quantities (ADR)                                 | : E2                                                                                  |
| Packing instructions (ADR)                                | : P001, IBC02                                                                         |
| Mixed packing provisions (ADR)                            | : MP19                                                                                |
| Portable tank and bulk container instructions (ADR)       | : T7                                                                                  |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP8                                                                            |
| Tank code (ADR)                                           | : L4BH                                                                                |
| Vehicle for tank carriage                                 | : FL                                                                                  |
| Transport category (ADR)                                  | : 2                                                                                   |
| Special provisions for carriage - Operation (ADR)         | : S2, S20                                                                             |
| Hazard identification number (Kemler No.)                 | : 338                                                                                 |
| Orange plates                                             | :  |
| Tunnel restriction code (ADR)                             | : D/E                                                                                 |
| EAC code                                                  | : •2WE                                                                                |
| APP code                                                  | : A(fl)                                                                               |

#### - Transport by sea

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Limited quantities (IMDG)          | : 1 L                                                                           |
| Excepted quantities (IMDG)         | : E2                                                                            |
| Packing instructions (IMDG)        | : P001                                                                          |
| IBC packing instructions (IMDG)    | : IBC02                                                                         |
| Tank instructions (IMDG)           | : T7                                                                            |
| Tank special provisions (IMDG)     | : TP1, TP8                                                                      |
| EmS-No. (Fire)                     | : F-E                                                                           |
| EmS-No. (Spillage)                 | : S-C                                                                           |
| Stowage category (IMDG)            | : B                                                                             |
| Properties and observations (IMDG) | : Reacts violently with water. Causes burns to skin, eyes and mucous membranes. |
| MFAG-No                            | : 132                                                                           |

#### - Air transport

|                                |        |
|--------------------------------|--------|
| PCA Excepted quantities (IATA) | : E2   |
| PCA Limited quantities (IATA)  | : Y340 |



# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

|                                              |            |
|----------------------------------------------|------------|
| PCA limited quantity max net quantity (IATA) | : 0.5L     |
| PCA packing instructions (IATA)              | : 352      |
| PCA max net quantity (IATA)                  | : 1L       |
| CAO packing instructions (IATA)              | : 363      |
| CAO max net quantity (IATA)                  | : 5L       |
| Special provisions (IATA)                    | : A3, A803 |
| ERG code (IATA)                              | : 3C       |

### - Inland waterway transport

|                                   |                 |
|-----------------------------------|-----------------|
| Classification code (ADN)         | : FC            |
| Limited quantities (ADN)          | : 1 L           |
| Excepted quantities (ADN)         | : E2            |
| Equipment required (ADN)          | : PP, EP, EX, A |
| Ventilation (ADN)                 | : VE01          |
| Number of blue cones/lights (ADN) | : 1             |

### - Rail transport

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Classification code (RID)                                 | : FC          |
| Limited quantities (RID)                                  | : 1L          |
| Excepted quantities (RID)                                 | : E2          |
| Packing instructions (RID)                                | : P001, IBC02 |
| Mixed packing provisions (RID)                            | : MP19        |
| Portable tank and bulk container instructions (RID)       | : T7          |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8    |
| Tank codes for RID tanks (RID)                            | : L4BH        |
| Transport category (RID)                                  | : 2           |
| Colis express (express parcels) (RID)                     | : CE7         |
| Hazard identification number (RID)                        | : 338         |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

# SODIUM METHOXIDE 30% SOLUTION IN METHANOL

## Safety Data Sheet

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### Denmark

Class for fire hazard : Class I-1  
Store unit : 1 liter  
Classification remarks : F <Flam. Liq. 2; Self-heat. 1>; Emergency management guidelines for the storage of flammable liquids must be followed  
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Acute Tox. 3 (Dermal)     | Acute toxicity (dermal), Category 3                          |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3                          |
| Acute Tox. 3 (Oral)       | Acute toxicity (oral), Category 3                            |
| Flam. Liq. 2              | Flammable liquids, Category 2                                |
| Self-heat. 1              | Self-Heating Substances and Mixtures, Category 1             |
| Skin Corr. 1B             | Skin corrosion/irritation, Category 1B                       |
| STOT SE 1                 | Specific target organ toxicity — single exposure, Category 1 |
| H225                      | Highly flammable liquid and vapour.                          |
| H251                      | Self-heating: may catch fire.                                |
| H301                      | Toxic if swallowed.                                          |
| H311                      | Toxic in contact with skin.                                  |
| H314                      | Causes severe skin burns and eye damage.                     |
| H331                      | Toxic if inhaled.                                            |
| H370                      | Causes damage to organs.                                     |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

# **SODIUM METHOXIDE 30% SOLUTION IN METHANOL**

## **Safety Data Sheet**

---